

# Notice of Allowability

Application No.

09/848,166

Examiner

Jungwon Chang

Applicant(s)

BROWN ET AL.

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/23/07.
2. ☒ The allowed claim(s) is/are 1-4,6-8,11-16,18,19,22-26,28-30,33-38,40,41,44-48,50-52,55-60,62,63,66-68 and 73-95, now renumbered as 1-73.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
JUNGWON CHANG  
PRIMARY EXAMINER  
TECHNOLOGY CENTER 2100

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### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David W. Victor, Reg. No. 39,867 on 10/16/07.

2. The application has been amended as follows:

#### In Specification

Please amend page 1, lines 5-13 of Specification as follows:

#### --- CROSS-REFERENCE TO RELATED APPLICATIONS

This application is related to the following co-pending and commonly-assigned patent applications filed on the same date herewith, and which are incorporated herein by reference in their entirety:

"Method, System, and Program for Mining Data in A Personal Information Manager Database", having ~~attorney docket no. AUS920000713US4~~ U.S. Application serial No. 09/848,176, now U.S. Patent No. 6,751,626; and

"Method, System, and Program for Providing User Location Information for a Personal Information Management System from Transmitting Devices", having ~~attorney~~

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~~docket no. AUS920010221US1~~ U.S. Application serial No. 09/848,173, now U.S. Patent No. 6,873,851. ---

In Claims

Claim 1 (Currently Amended) A method for providing user location information for a personal information management program, comprising:  
generating position coordinates of a wireless device and time information indicating times when the position coordinates were generated, wherein a user is associated with the wireless device;  
processing the position coordinates and time information to determine whether a change a rate of change in distance per unit of time in a series of position coordinates at times indicates a predefined activity of the user occurring during an activity time period during which the position coordinates and the time information were generated; and  
generating information on the determined predefined activity for the activity time period.

Claim 18 (Currently Amended) A method for generating a calendar for a personal information management program, comprising:

receiving selection of a time interval;

for the selected time interval, determining position coordinates of a wireless device and time information indicating times when the position coordinates were generated, wherein a user is associated with the wireless device;

processing the position coordinates and time information during the selected time interval to determine whether ~~a change~~ a rate of change in distance per unit of time in a series of the position coordinates at times during the selected time interval indicates a predefined activity of the user occurring during the selected time interval;

generating information on the predefined activity within the selected time interval; and

displaying information on the predefined activity of the user and the selected time interval.

Claim 23 (Currently Amended) A system adapted to communicate with a wireless device and for providing user location information for a personal information management program, comprising:

means for generating position coordinates of the wireless device and time information indicating times when the position coordinates were generated, wherein a user is associated with the wireless device;

means for processing the position coordinates and time information to determine whether ~~a change~~ a rate of change in distance per unit of time in a series of position coordinates at times indicates a predefined activity of the user occurring during an activity time period during which the position coordinates and the time information were generated; and

means for generating information on the determined predefined activity for the activity time period.

Claim 40 (Currently Amended) A system for generating a calendar for a personal information management program, comprising:

means for receiving selection of a time interval;

means for determining, for the selected time interval, position coordinates of a wireless device and time information indicating times when the position coordinates were generated, wherein a user is associated with the wireless device;

means for processing the position coordinates and time information during the selected time interval to determine whether ~~a change~~ a rate of change in distance per unit of time in a series of the position coordinates at times during the selected time interval indicates a predefined activity of the user occurring during the selected time interval;

means for generating information on the predefined activity within the selected time interval; and

means for displaying information on the predefined activity of the user and the selected time interval.

Claim 45 (Currently Amended) An article of manufacture comprising a computer readable storage medium including code executed for providing user location information for a personal information management program and adapted to communicate with a wireless device associated with a user, wherein the executed code is capable of causing operations to be performed, the operations comprising:

generating position coordinates of the wireless device and time information indicating times when the position coordinates were generated;

processing the position coordinates and time information to determine whether a ~~change~~ a rate of change in distance per unit of time in a series of position coordinates at times indicates a predefined activity of the user occurring during an activity time period during which the position coordinates and the time information were generated; and  
generating information on the determined predefined activity for the activity time period.

Claim 62 (Currently Amended) An article of manufacture comprising a computer readable storage medium including code executed for generating a calendar for a personal information management program and adapted to communicate with a wireless device associated with a user, wherein the executed code is capable of causing operations to be performed, the operations comprising:

receiving selection of a time interval;  
for the selected time interval, determining position coordinates of a wireless device and time information indicating times when the position coordinates were generated;

processing the position coordinates and time information during the selected time interval to determine whether ~~a change~~ a rate of change in distance per unit of time in a series of the position coordinates at times during the selected time interval indicates a predefined activity of the user occurring during the selected time interval;

generating information on the predefined activity within the selected time interval; and

displaying information on the predefined activity of the user and the selected time interval.

Claim 67 (Currently Amended) A computer readable storage medium for providing user location information for a personal information management program of a user at a wireless device, wherein the computer readable medium includes at least one computer readable data structure comprising:

position coordinates of a wireless device and time information indicating times when the position coordinates were generated, wherein a user is associated with the wireless device;

a predefined activity of the user occurring during an activity time period determined by processing the position coordinates and time information to determine whether ~~a change~~ a rate of change in distance per unit of time in a series of position coordinates at times indicates the predefined activity during which the position coordinates and the time information were generated; and

information on the determined predefined activity for the activity time period.

Claim 68 (Currently Amended) The computer readable storage medium of claim 67, further comprising:

a plurality of location boundaries defining multiple location coordinates, wherein each location boundary includes a location description including information describing the location boundary, wherein for each generated position coordinate, a determination is made as to whether the position coordinate is included in one of the provided location boundaries;

information on locations and associated time periods determined by processing the position coordinates and the time information, wherein at least one location for which information is determined includes multiple generated position coordinates and the associated time period for the location includes the time information generated for the position coordinates included in the determined location, wherein for each determined location and associated time period, the user of the wireless device was located at the location for the associated time period, and wherein at least one determined location comprises one predefined location boundary including position coordinates, and wherein the information generated on the at least one location includes the location description for the predefined location boundary comprising the location.

Claim 94 (Currently Amended) A system comprising:

- a wireless device associated with a user;
- a server;



code executed by the wireless device that is adapted to generate position coordinates of the wireless device and time information indicating times when the position coordinates were generated;

code executed by the server that is adapted to:

process the position coordinates and time information to determine whether a change a rate of change in distance per unit of time in a series of position coordinates at times indicates a predefined activity of the user occurring during an activity time period during which the position coordinates and the time information were generated; and  
generate information on the determined predefined activity for the activity time period.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jungwon Chang whose telephone number is 571-272-3960. The examiner can normally be reached on 6:30-2:00 (Monday-Friday).

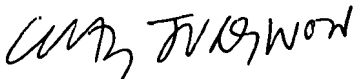
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan J. Flynn can be reached on 571-272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you

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have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 18, 2007

  
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